FIG.1

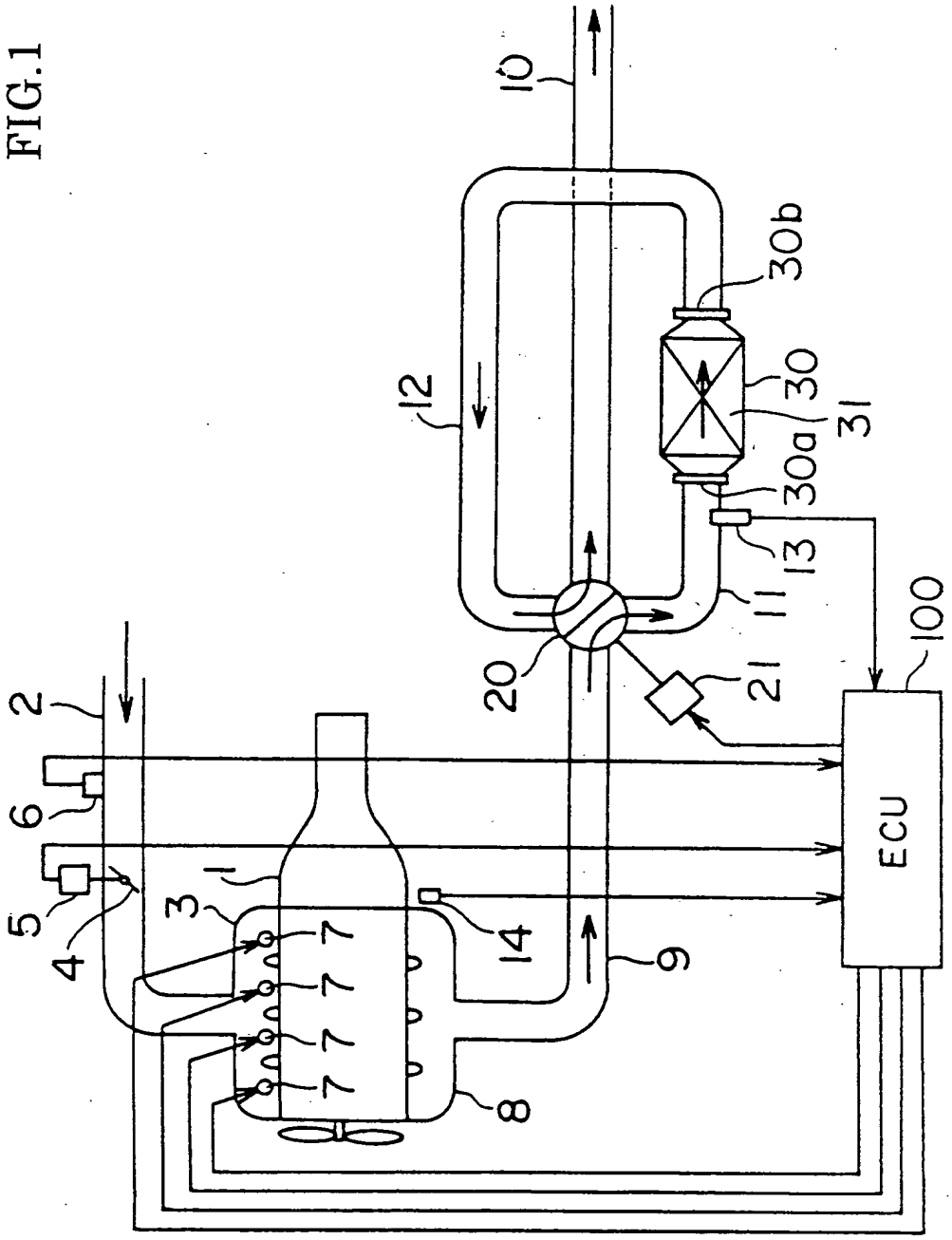


FIG.2

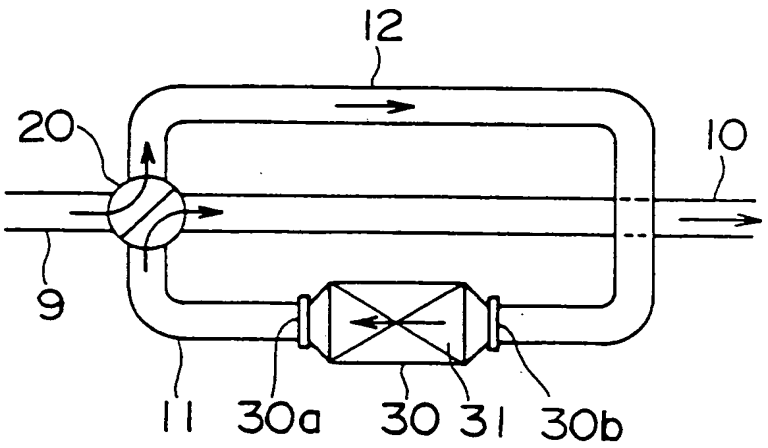

12
20
10
9
11
30a
30
31
30b

FIG.3

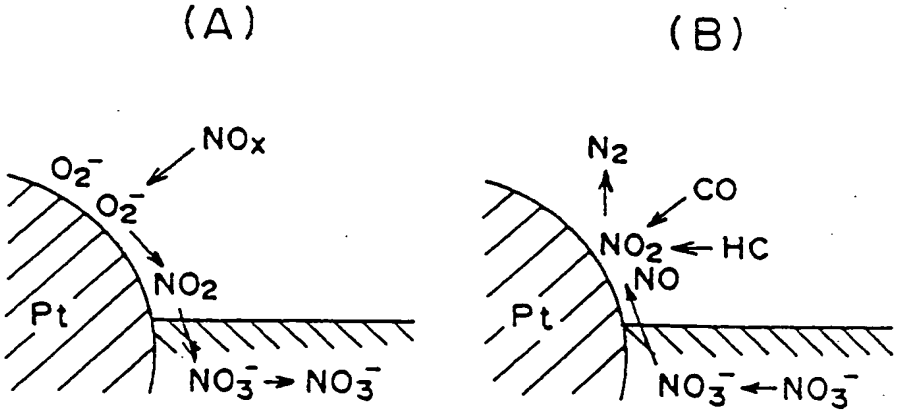

(A)
(B)
NOx
O_2^-
O_2^-
NO_2
Pt
$NO_3^- \rightarrow NO_3^-$
N_2
CO
NO_2
HC
NO
Pt
$NO_3^- \leftarrow NO_3^-$

FIG.4

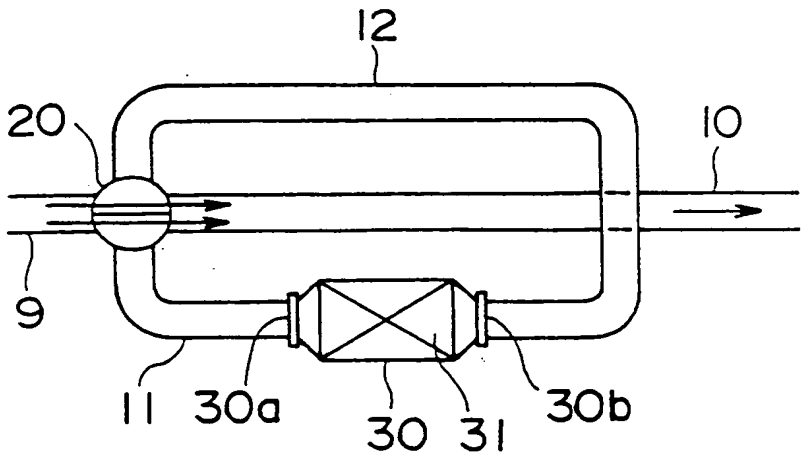


FIG.5

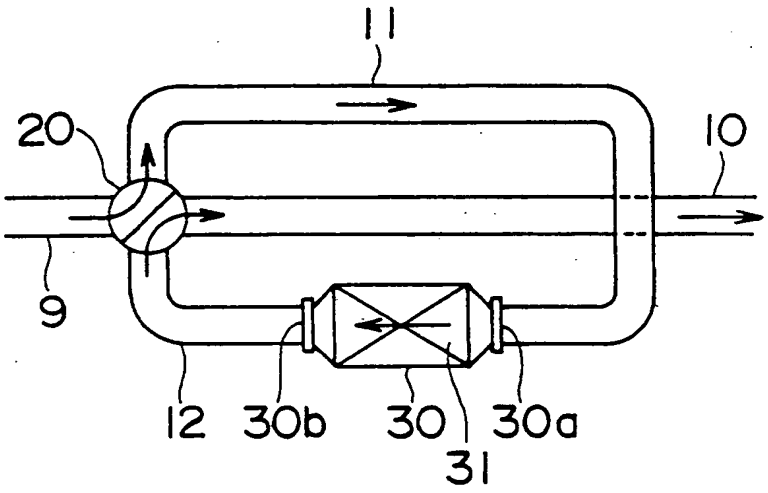


FIG.6

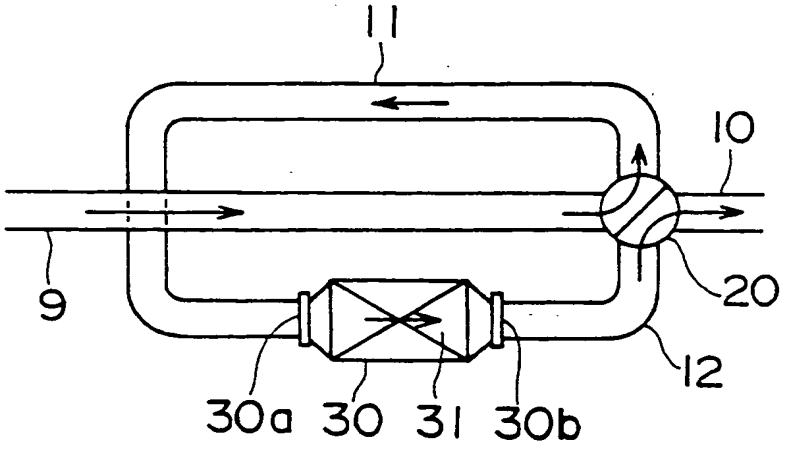


FIG.7

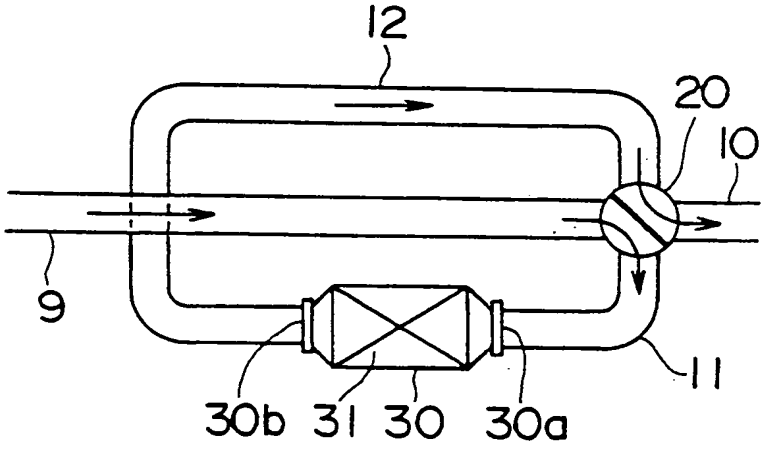


FIG.8

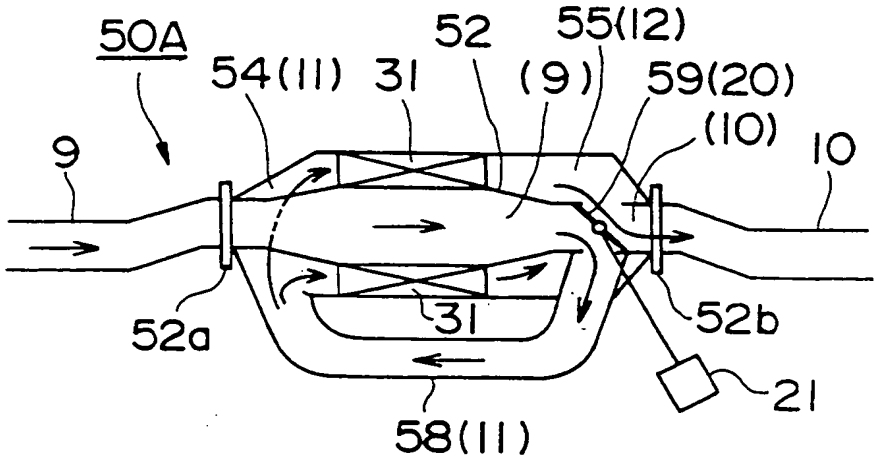

50A
54(11)
31
52
(9)
55(12)
59(20)
(10)
10
9
52a
31
52b
21
58(11)

FIG.9

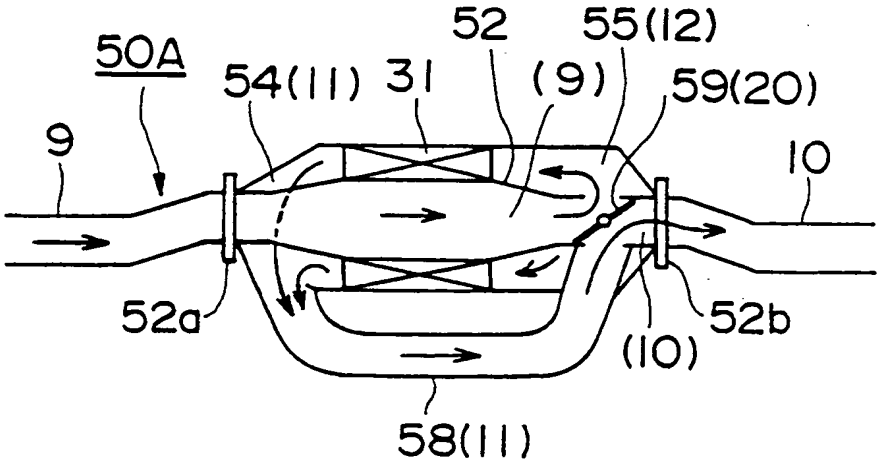

50A
54(11)
31
52
(9)
55(12)
59(20)
10
9
52a
52b
(10)
58(11)

FIG.10

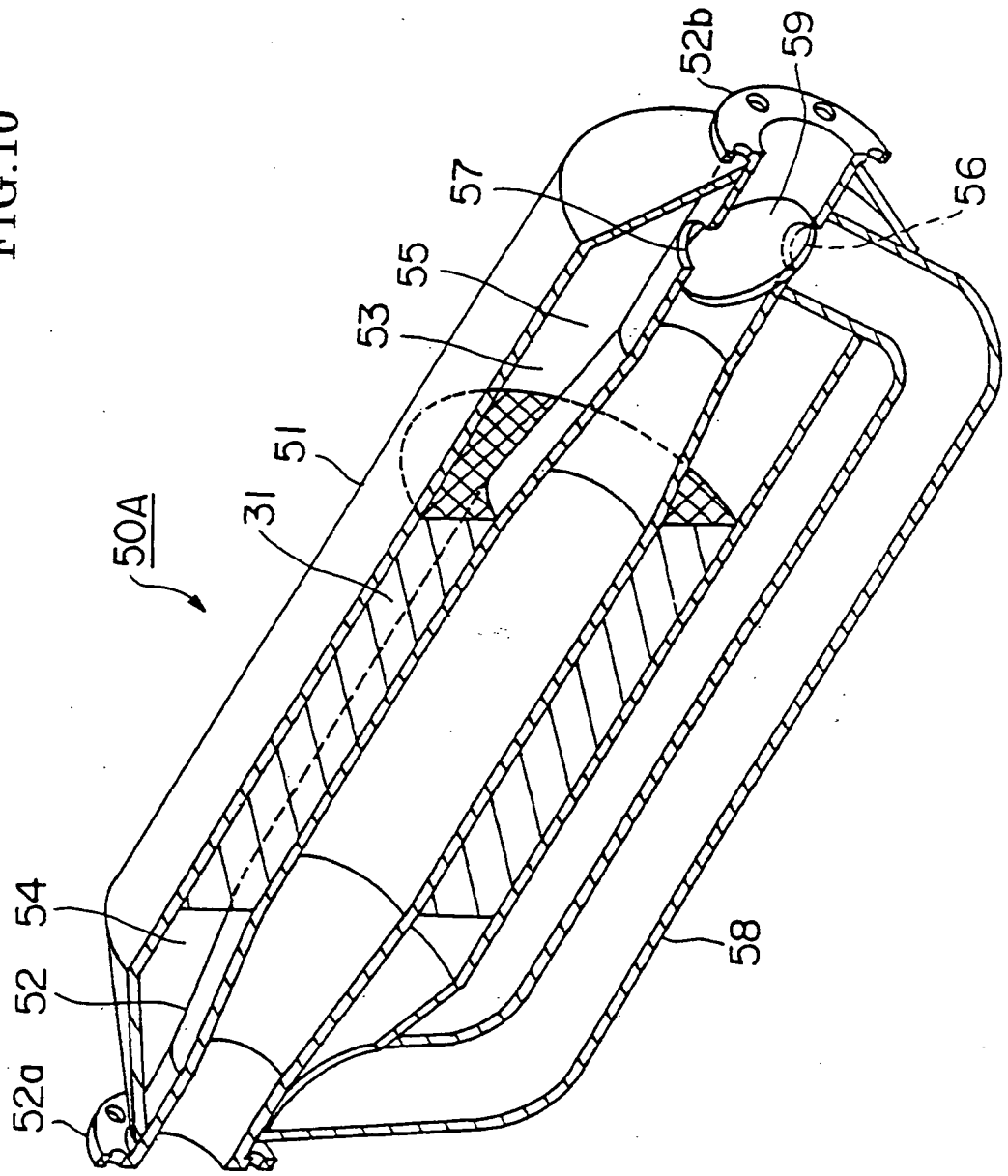


FIG.11

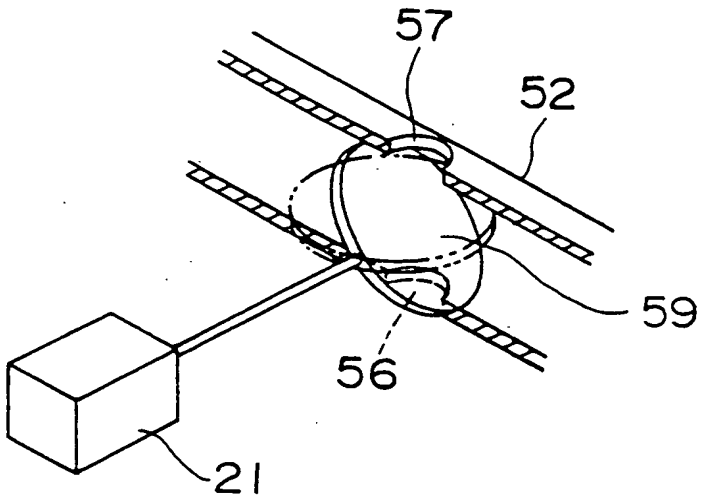


FIG.12

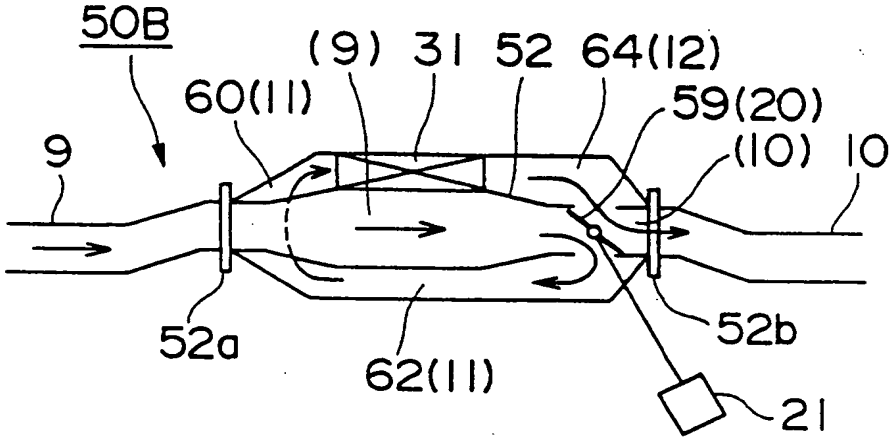
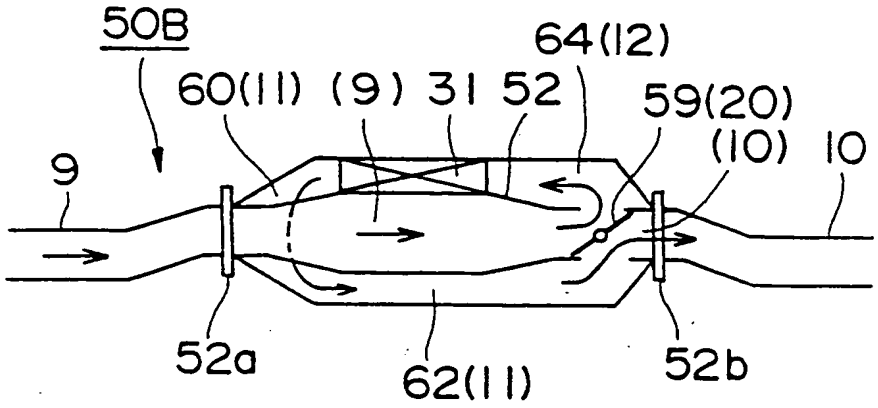


FIG.13



6527070 0006650

FIG.14

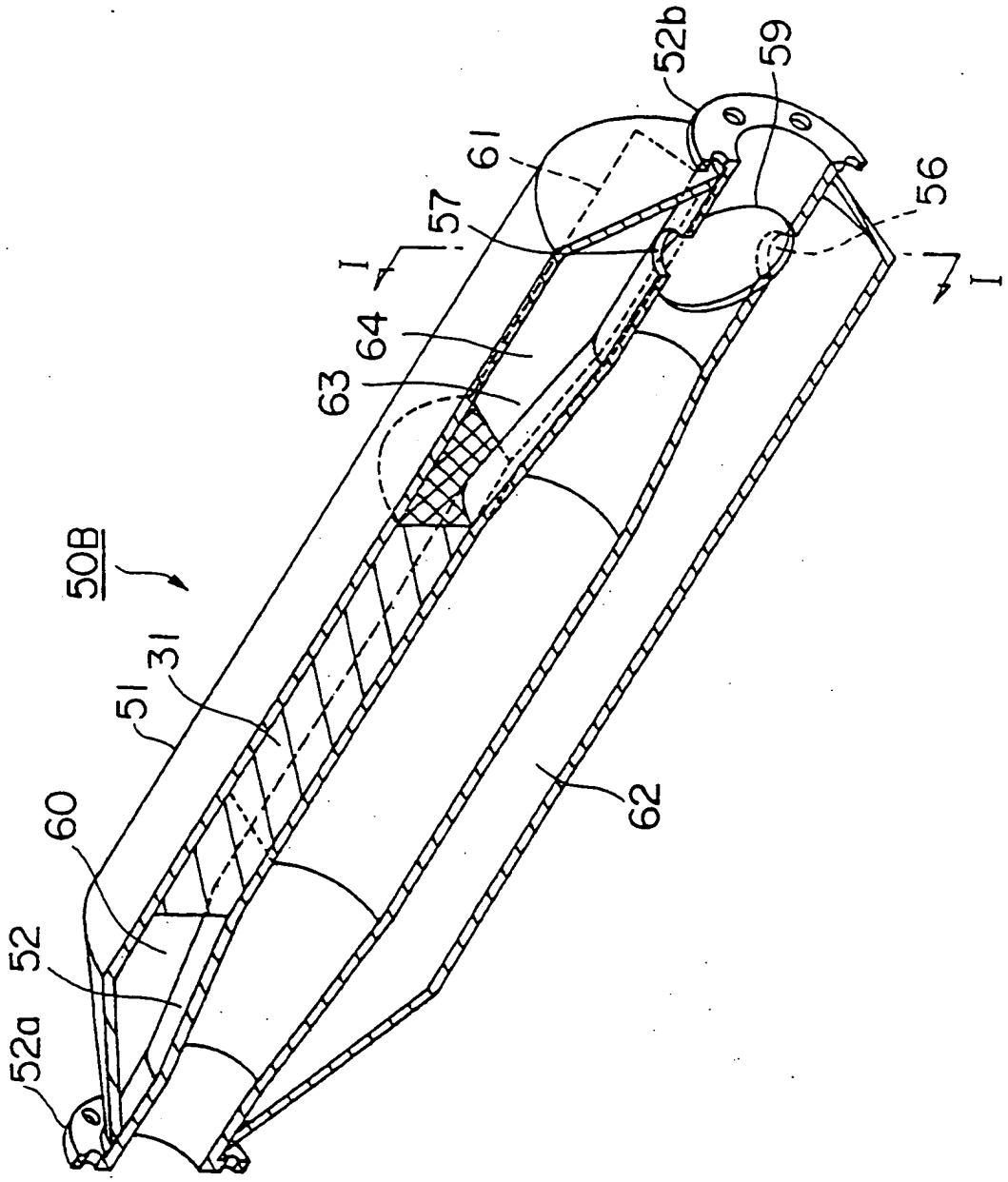
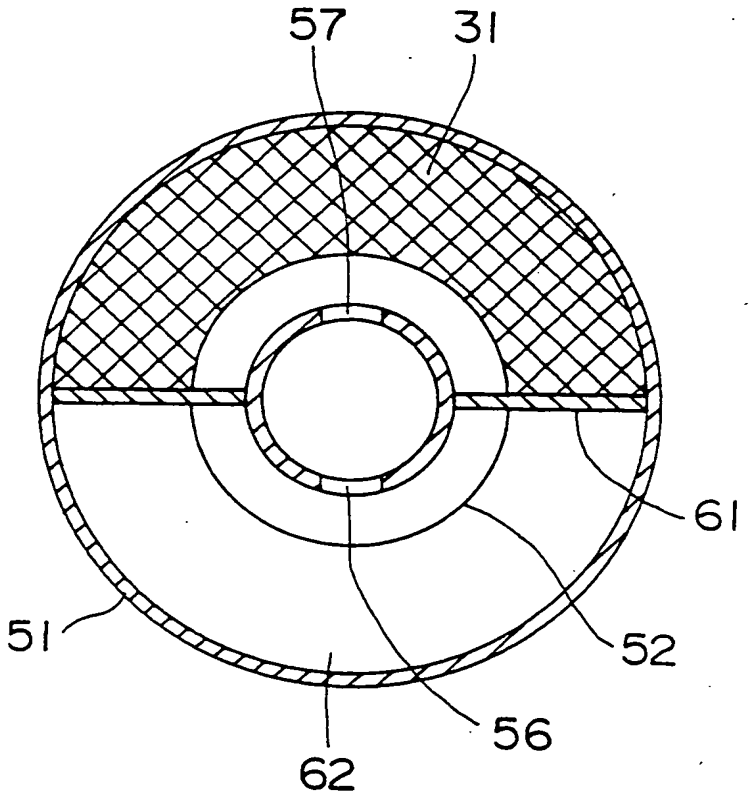


FIG.15



5,593,809 Jan. 14, 1997

FIG.16

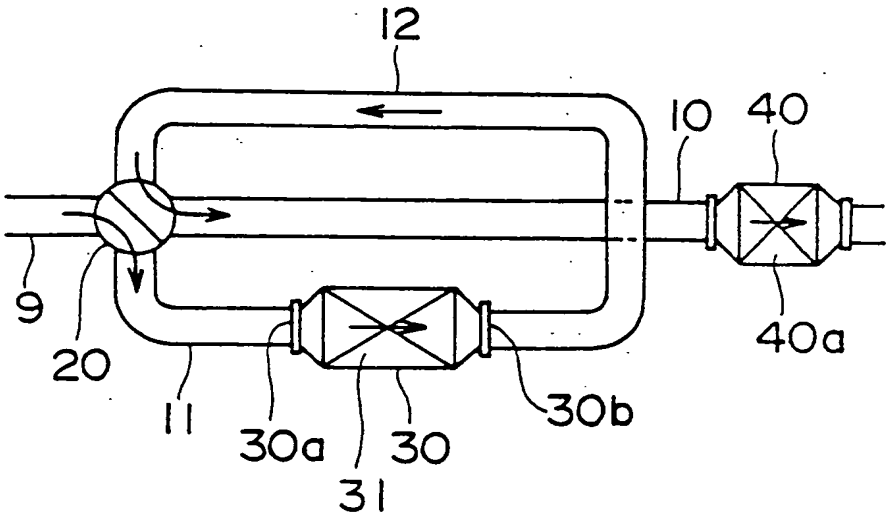


FIG.17

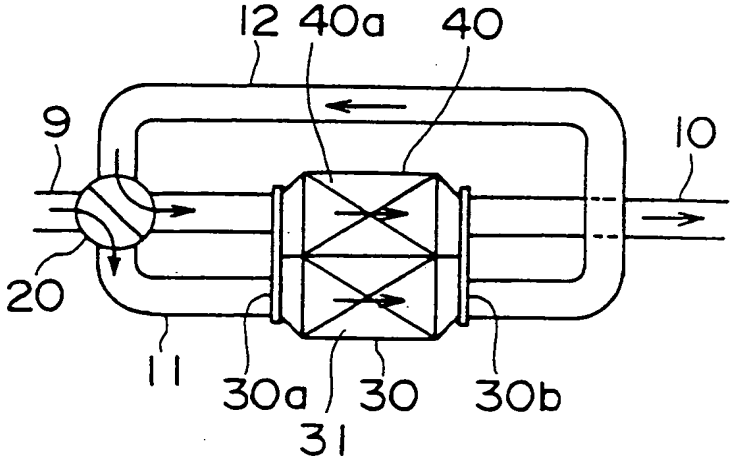


FIG.18

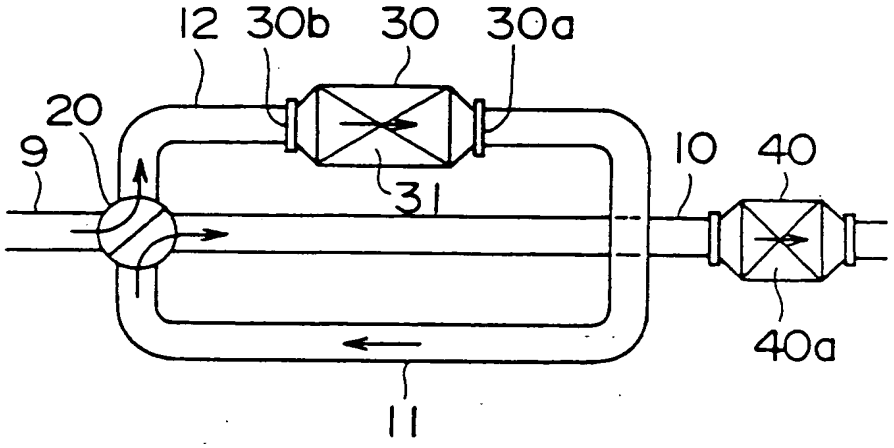


FIG.19

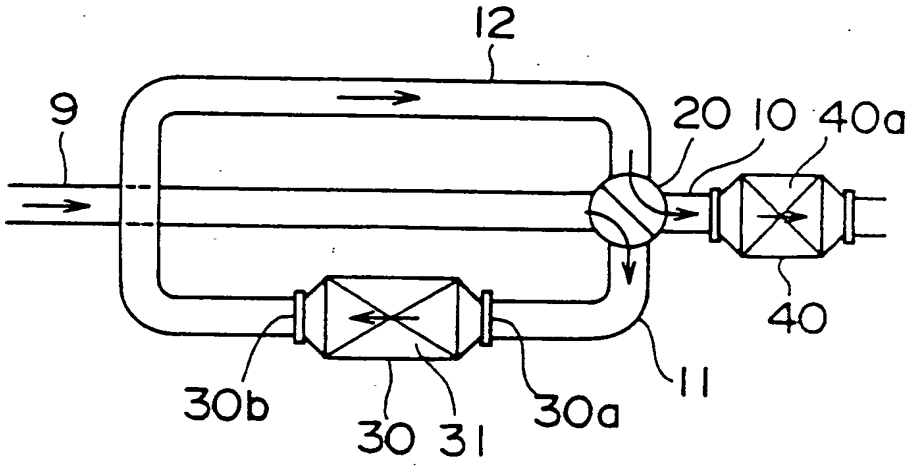


FIG.20

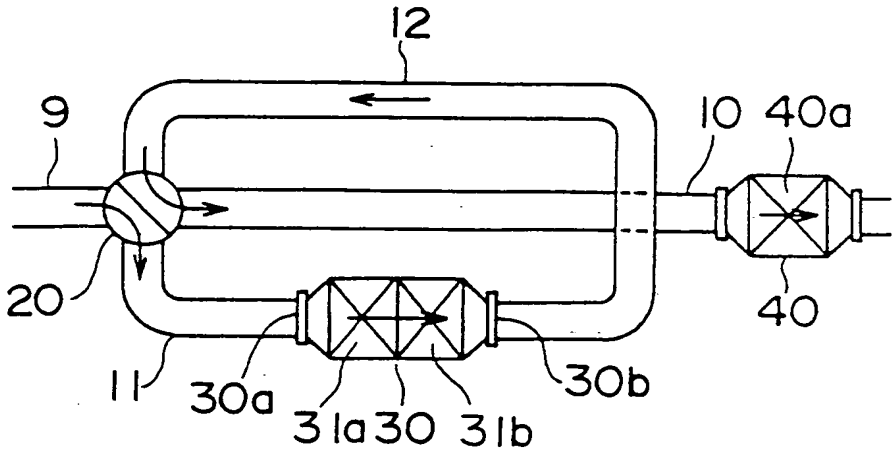

12
9
10
40a
20
40
11
30a
31a
30
31b
30b

FIG.21

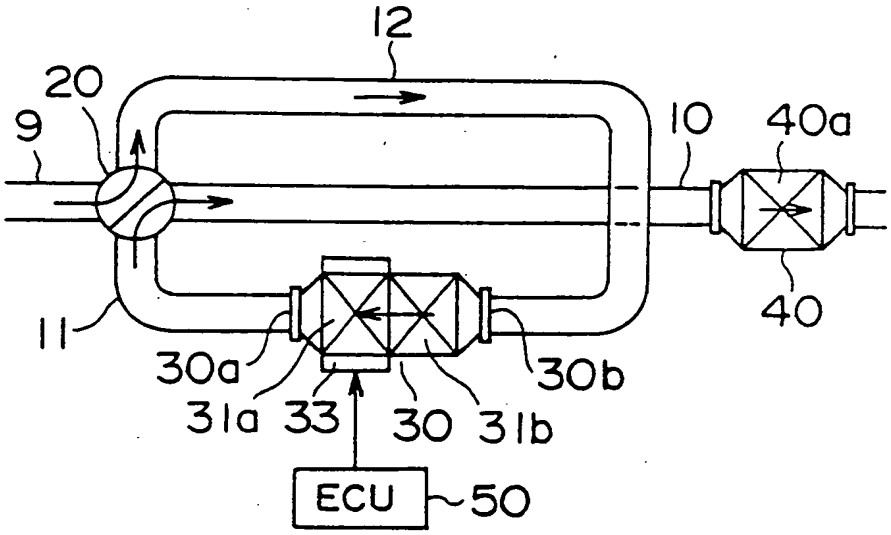

12
20
9
10
40a
40
11
30a
31a
33
30
31b
30b
ECU
50

FIG.22

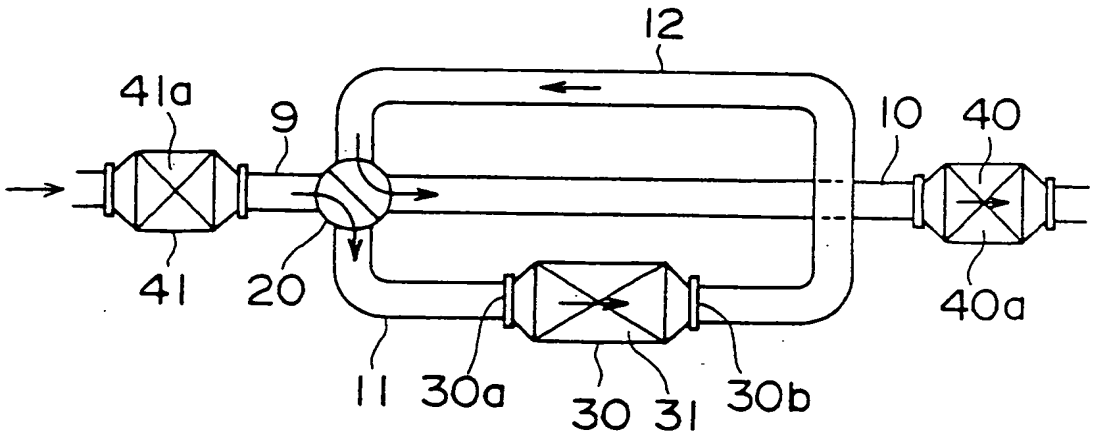

12
41a
9
10
40
41
20
40a
11
30a
30
31
30b

FIG.23

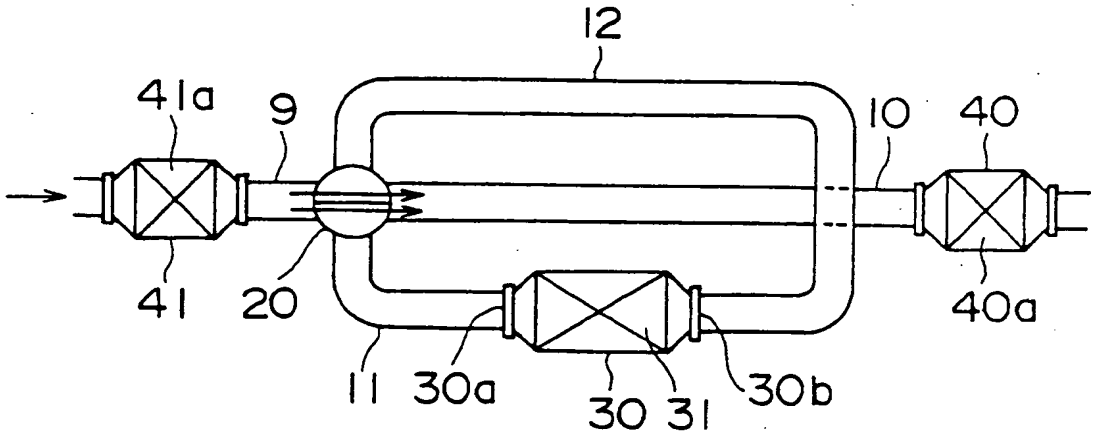

12
41a
9
10
40
41
20
40a
11
30a
30
31
30b

FIG.24

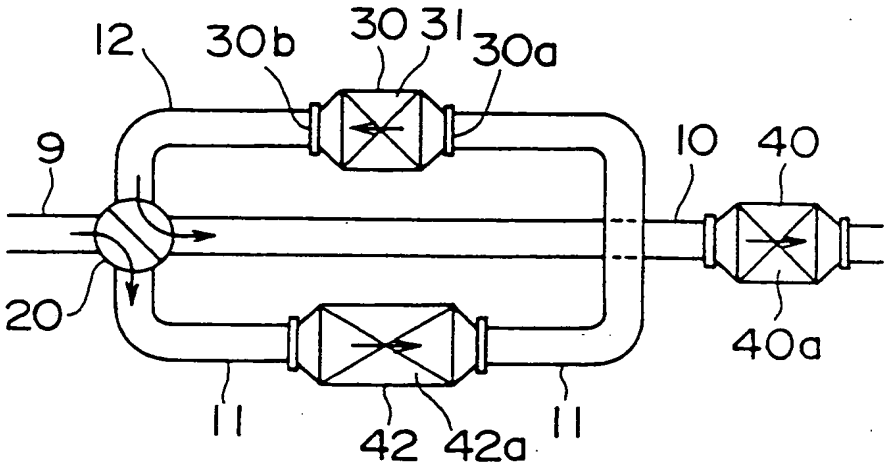

12
30b
30
31
30a
9
10
40
20
40a
11
42
42a
11

FIG.25

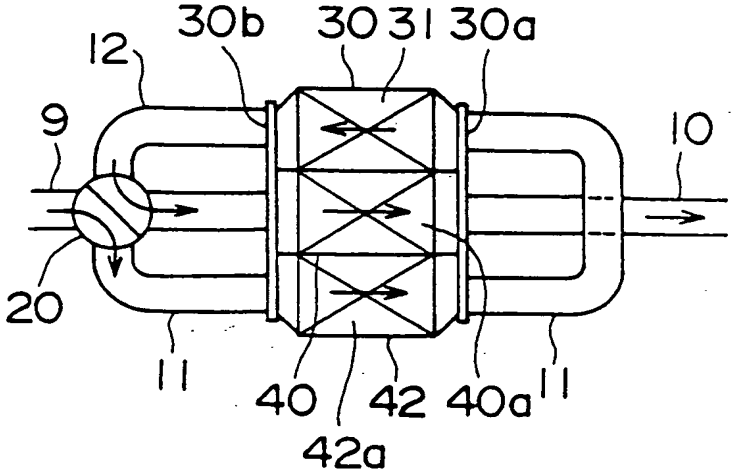

30b
30
31
30a
12
9
10
20
11
40
42
40a
11
42a

FIG.26

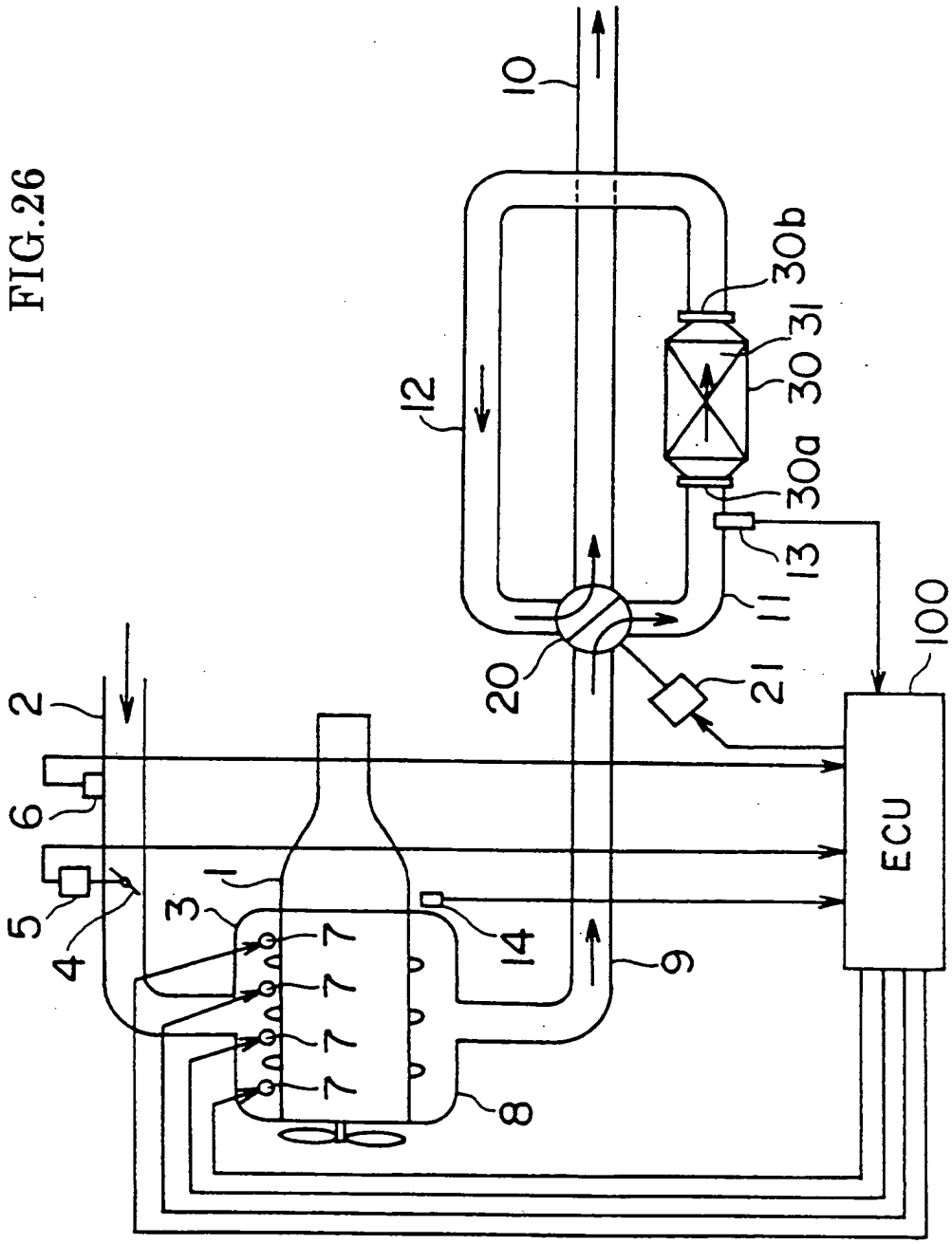


FIG.27

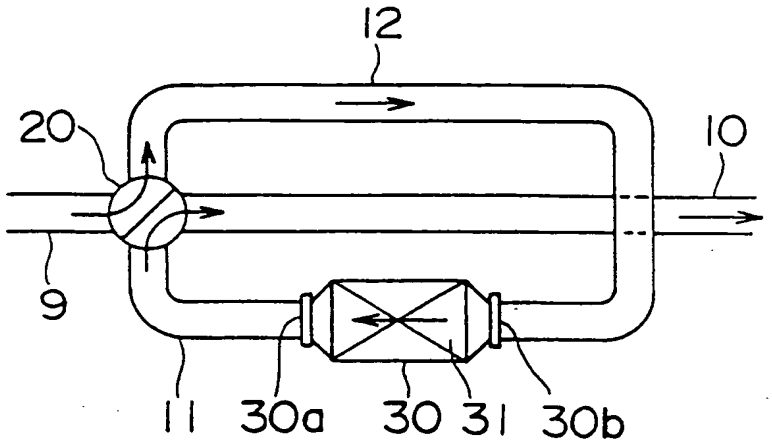

12
20
10
9
11
30a
30
31
30b

FIG.28

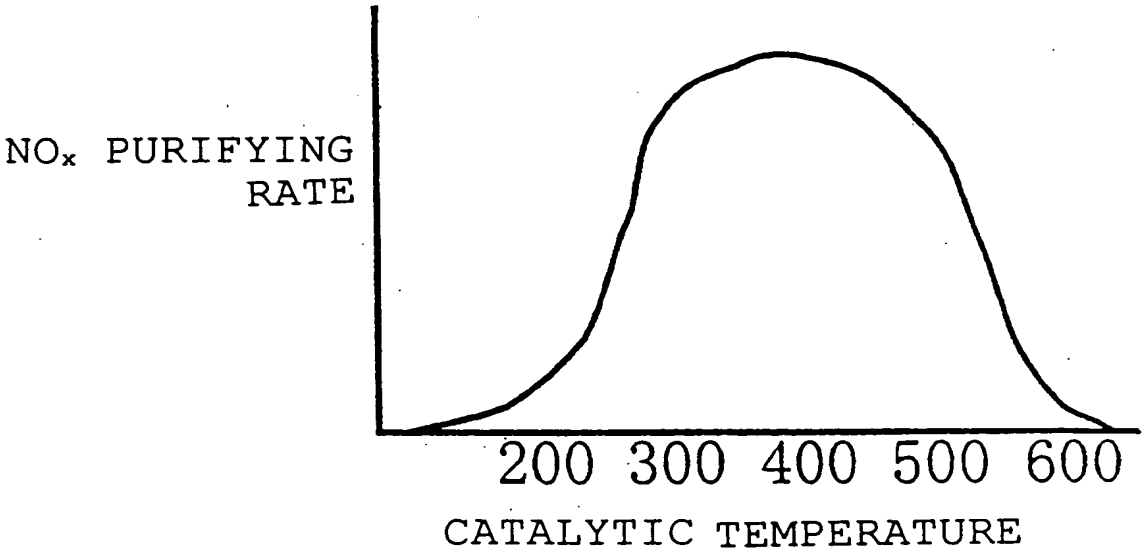

NOx PURIFYING RATE
200 300 400 500 600
CATALYTIC TEMPERATURE

FIG.29

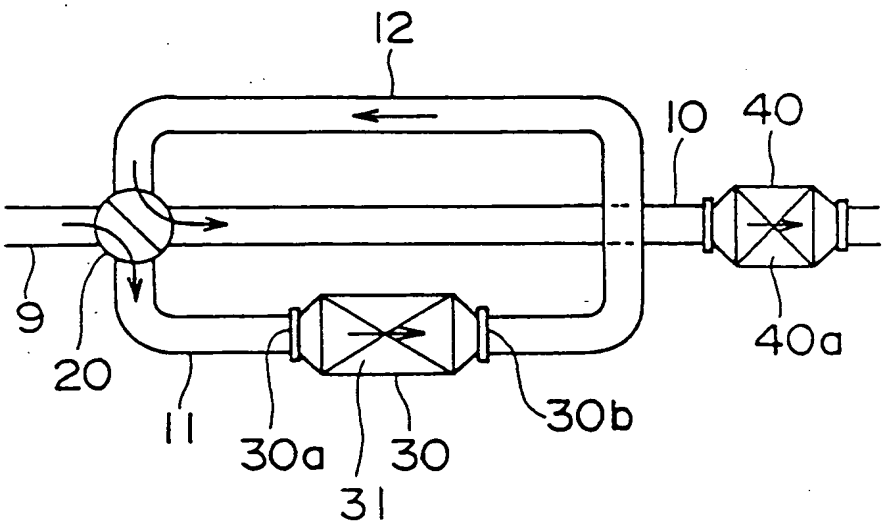


FIG.30

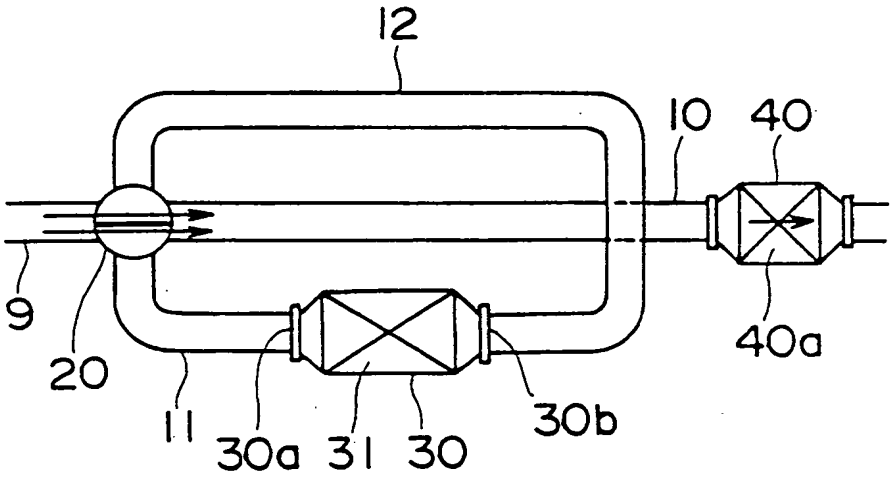
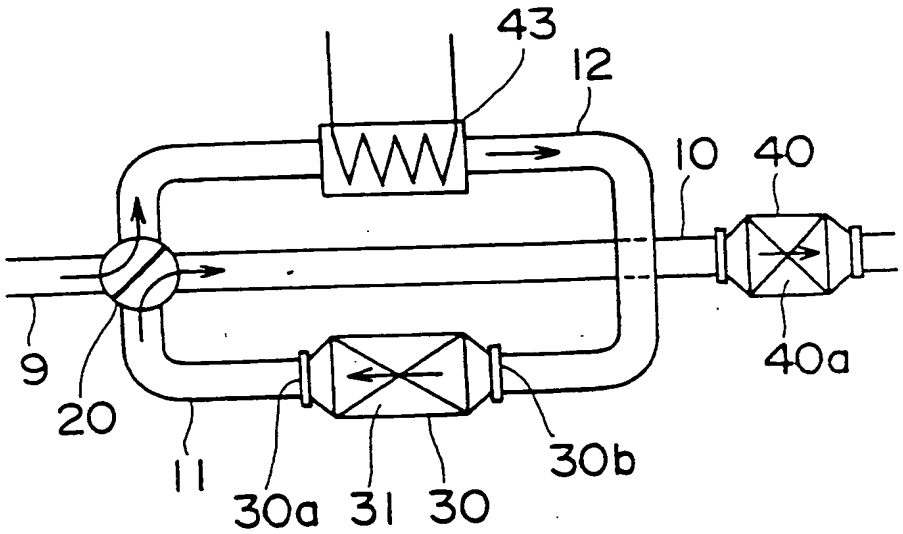


FIG.31



6672h0" 98900E60

FIG.32

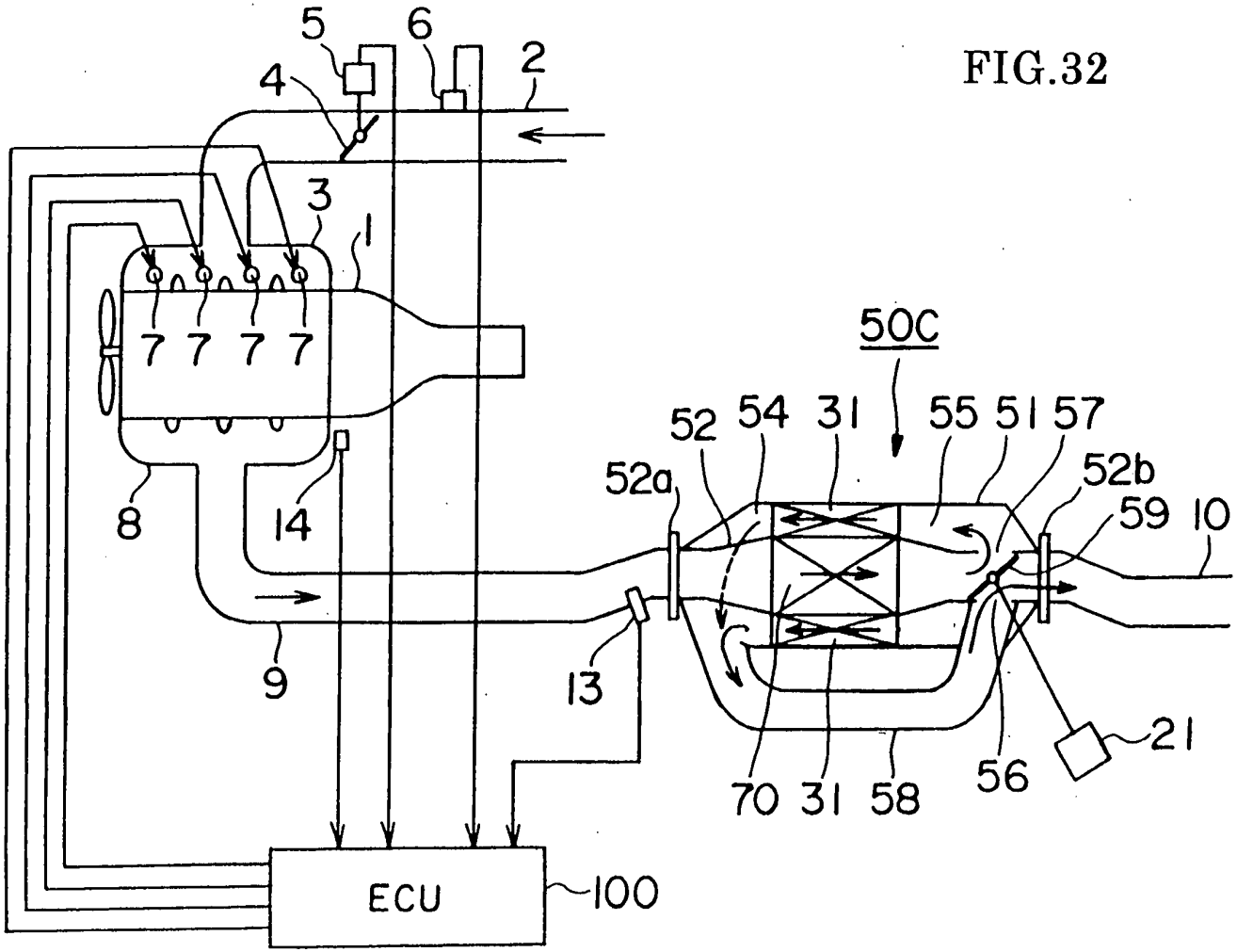


FIG.33

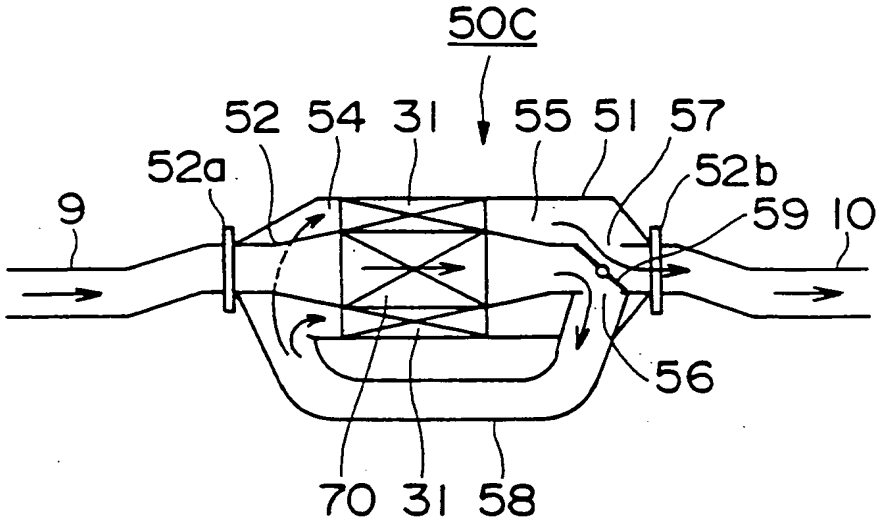
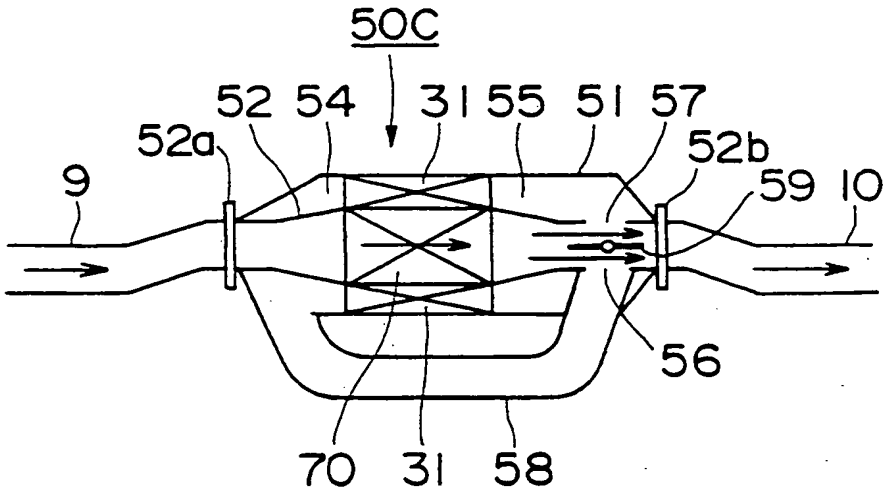


FIG.34



0500666 - 0425769

6624H0 9890860

FIG.35

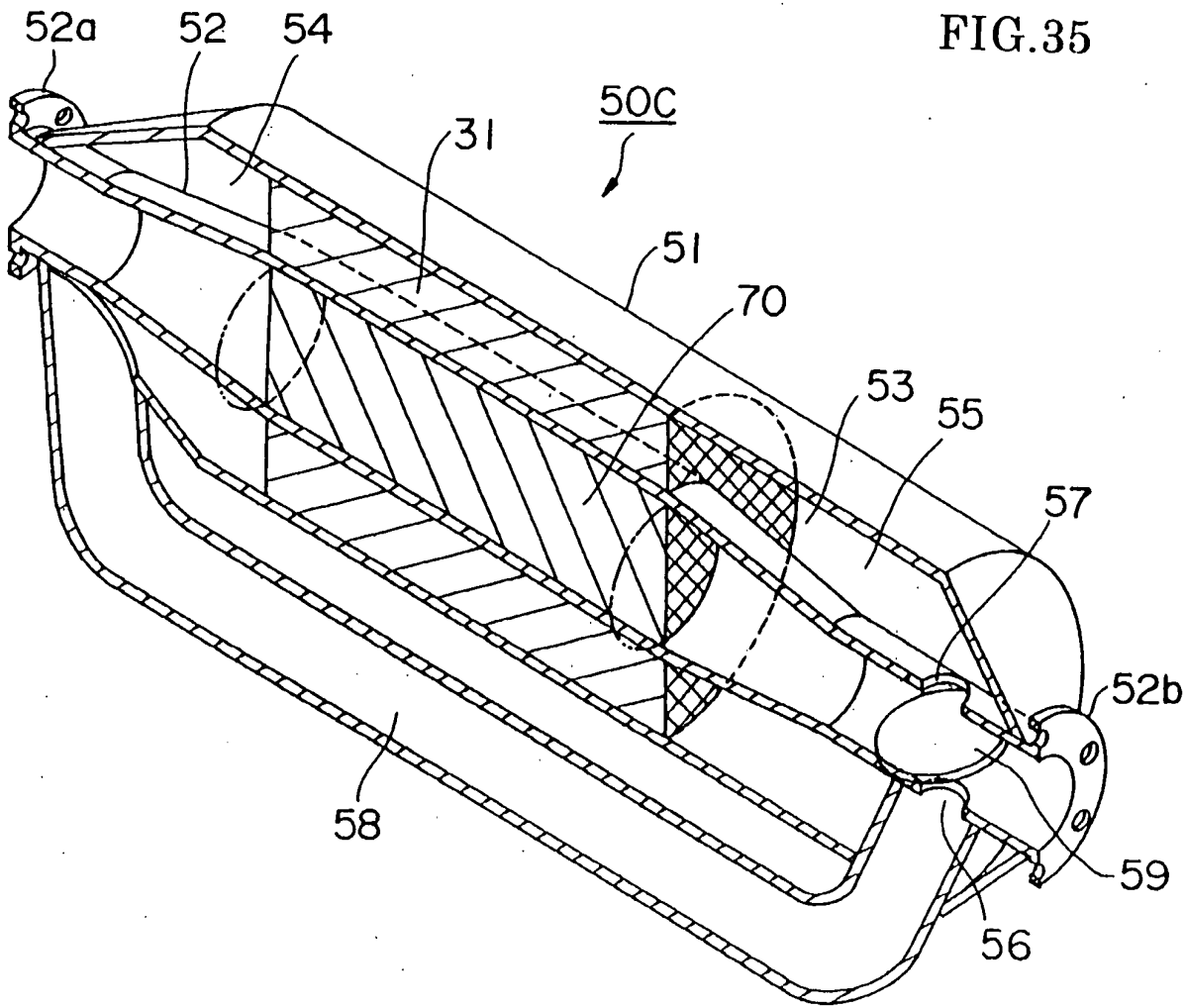


FIG.36

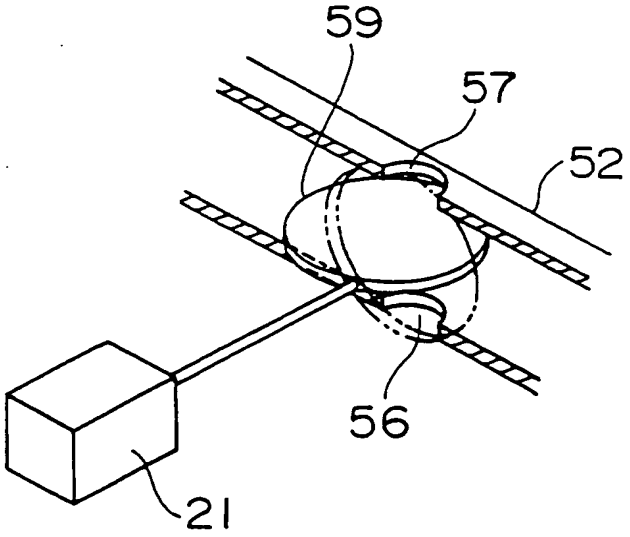
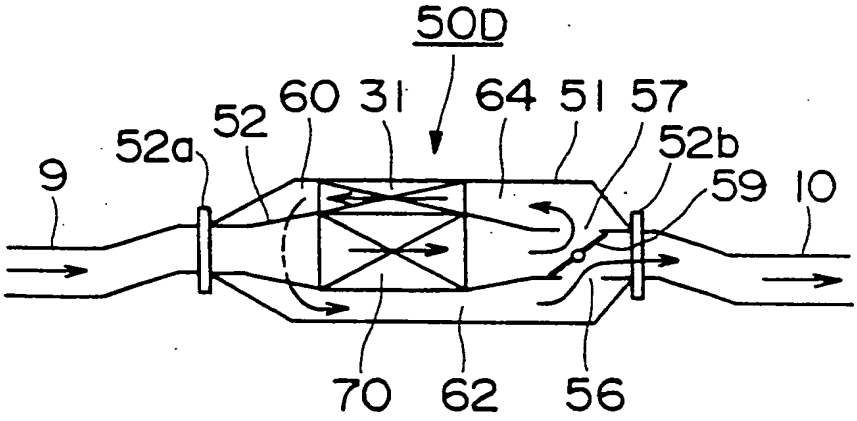


FIG.37



09500656 - 051396

FIG.38

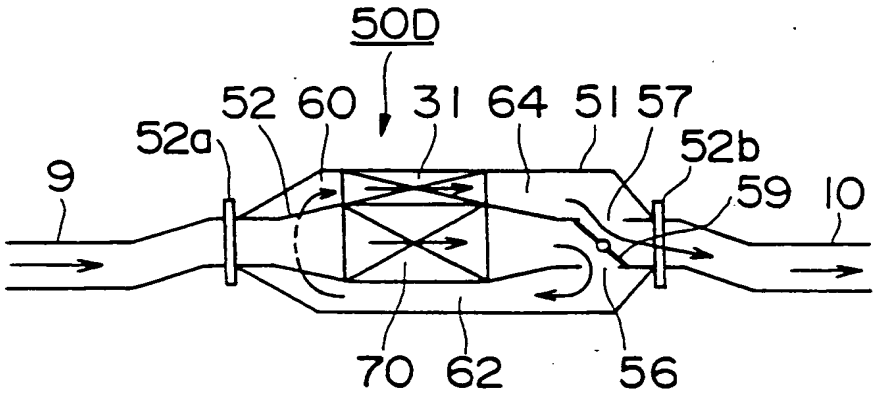

50D
52
60
31
64
51
57
52a
52b
9
59
10
70
62
56

FIG.39

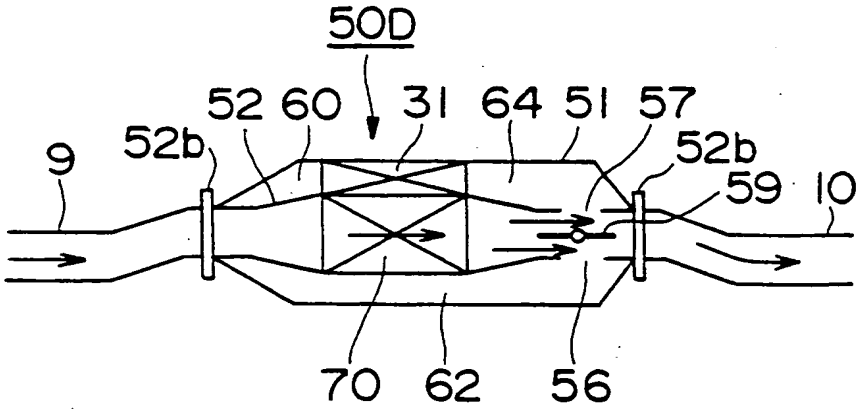

50D
52
60
31
64
51
57
52b
52b
9
59
10
70
62
56

FIG.40

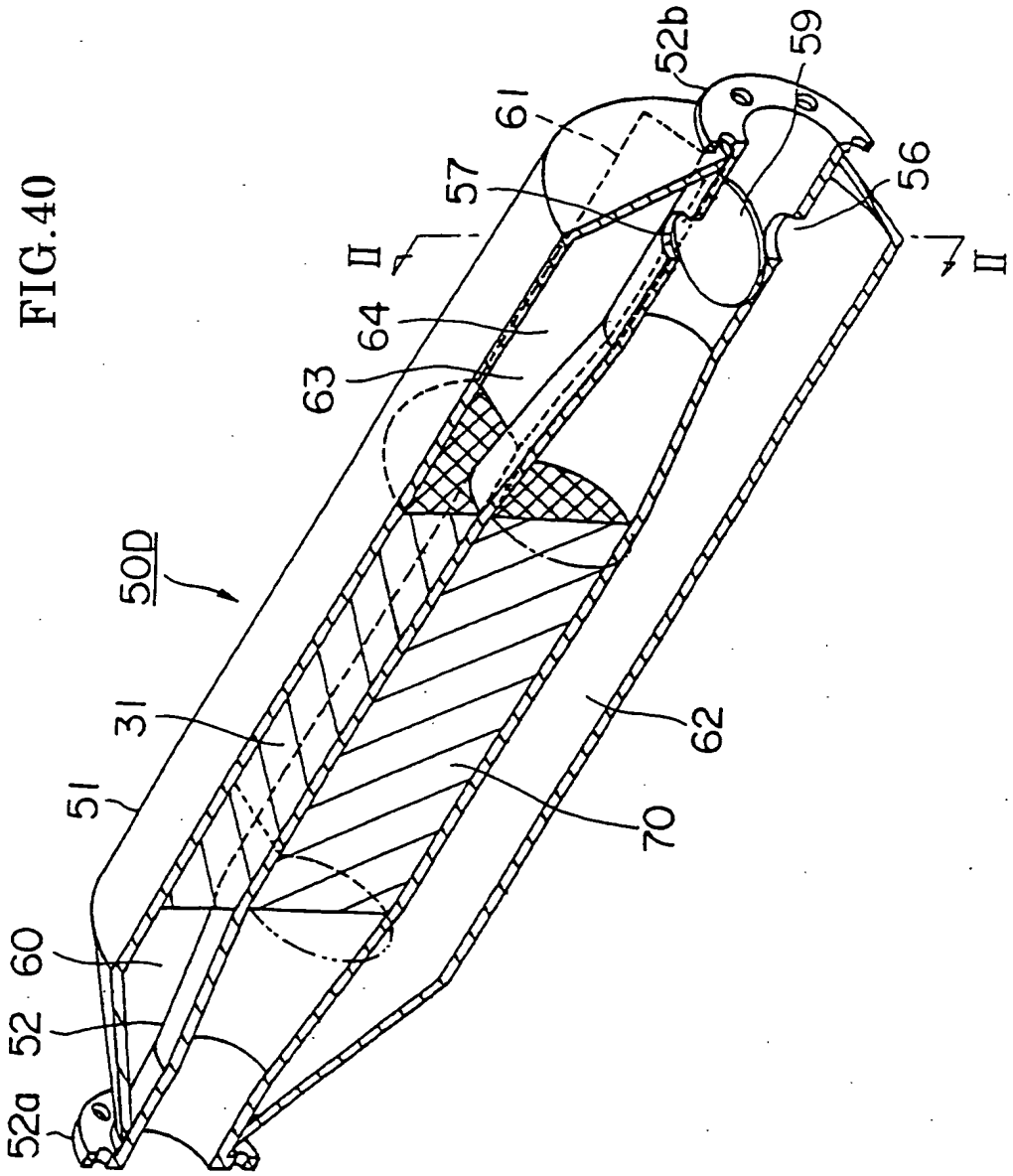


FIG.41

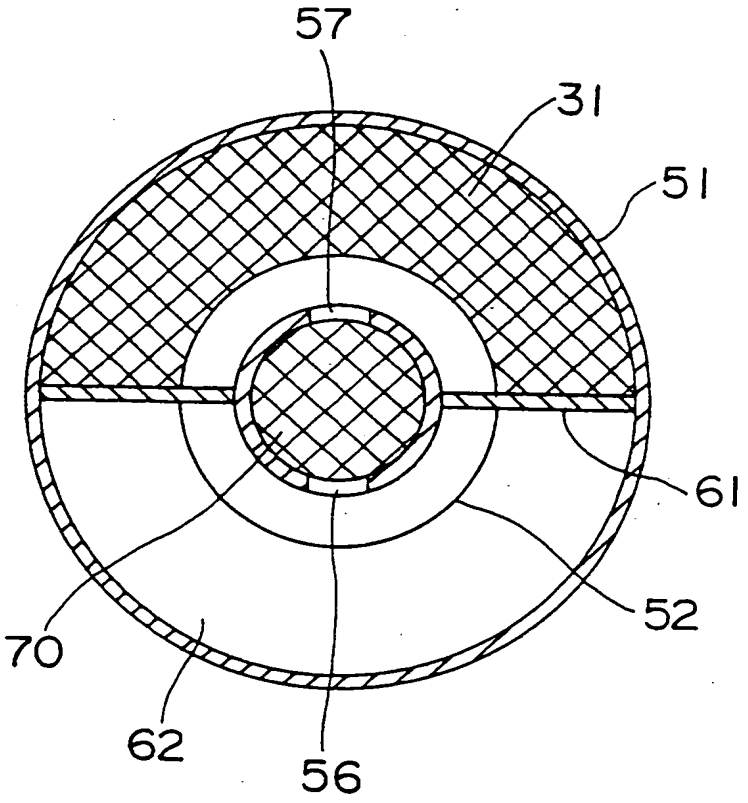


FIG.42

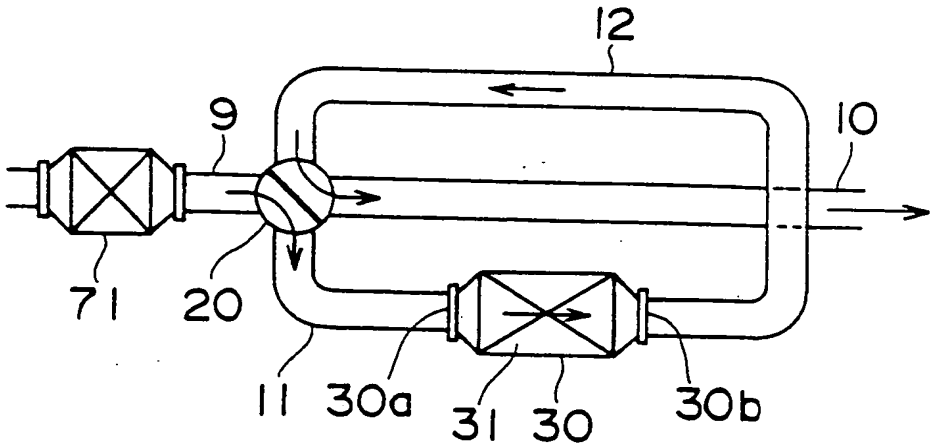


FIG.43

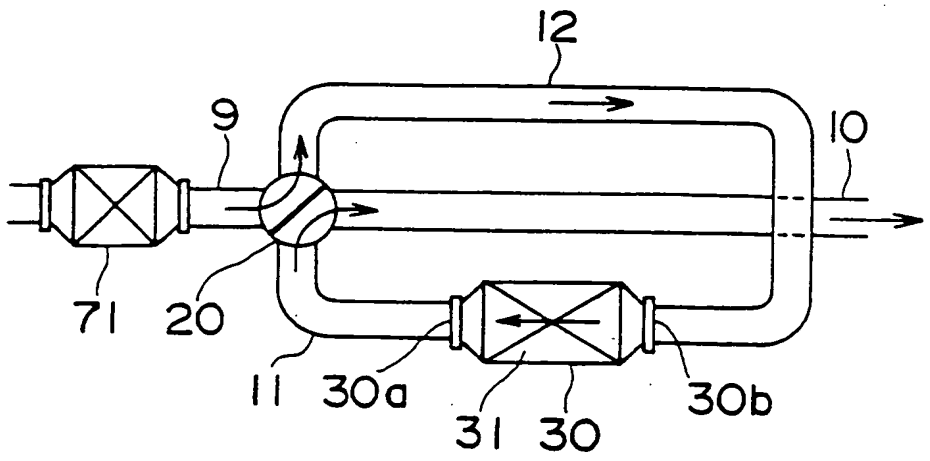
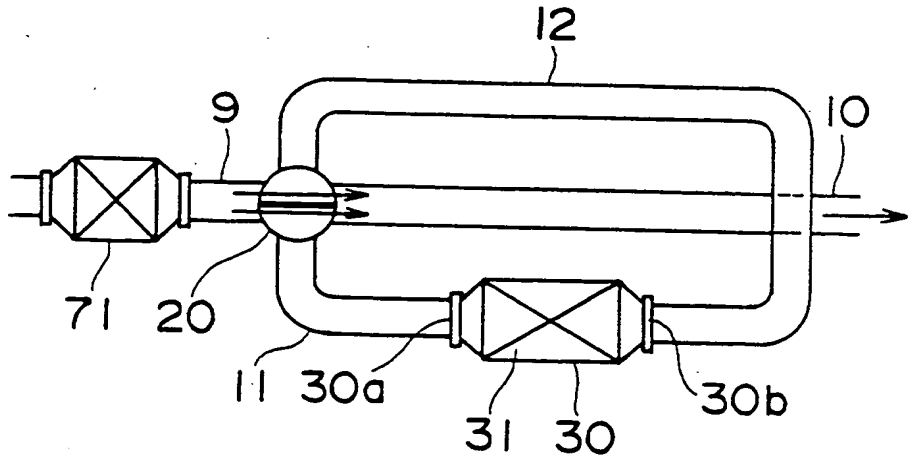


FIG.44



0530086-045369

FIG.45

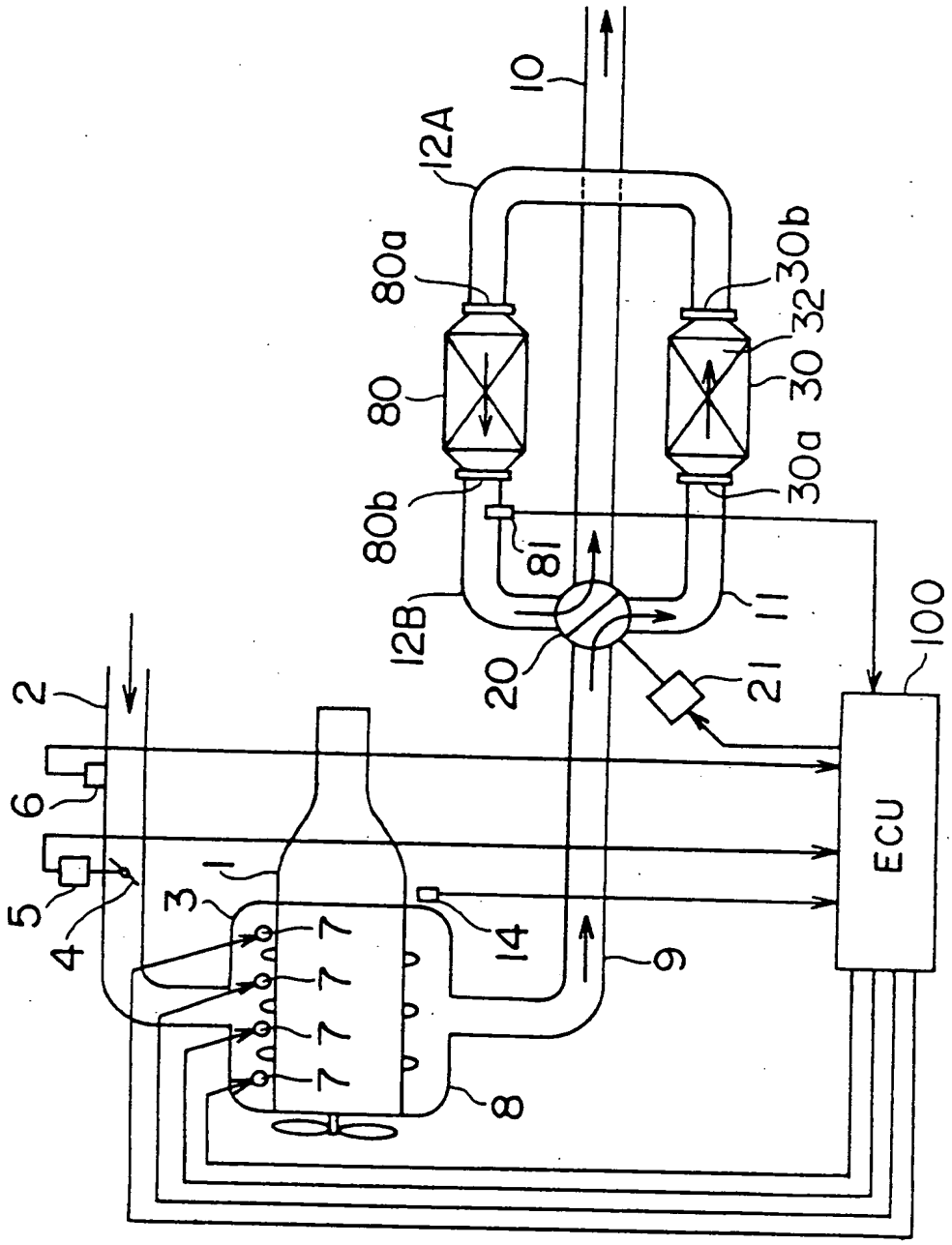
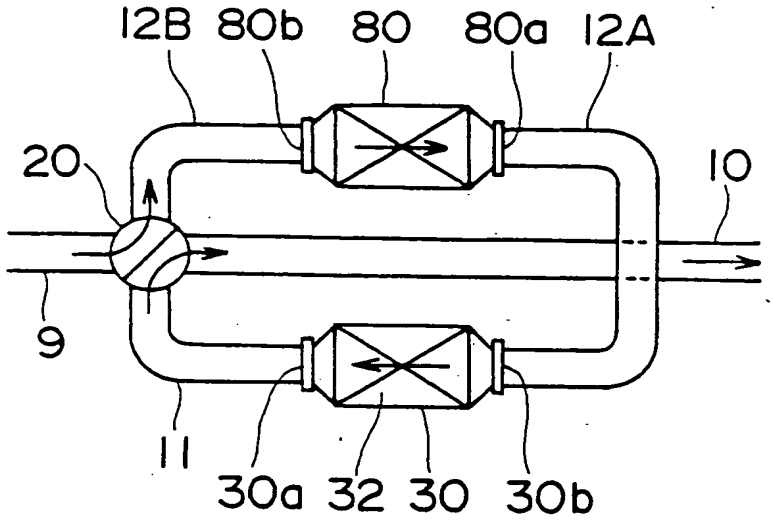

10
12A
80a
30b
32
80
30
30a
80b
81
12B
11
20
21
100
2
6
5
4
3
1
7
14
9
8
ECU

FIG.46



5,306,686 04/26/94